

Title (en)

METHOD FOR PRODUCING DOCUMENT CARDS COMPRISING SEVERAL LAYERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON MEHRSCICHTIGEN DOKUMENTENKARTEN

Title (fr)

PROCEDE DE PRODUCTION DE CARTES DOCUMENTS MULTICOUCHES

Publication

EP 1286833 B2 20130731 (DE)

Application

EP 01933825 A 20010412

Priority

- DE 10025093 A 20000520
- EP 0104232 W 20010412

Abstract (en)

[origin: US2004007324A1] The invention relates to a method for producing a multi-layer document card, especially an identity card made of plastic, comprising several layers. Said card comprises a card core with at least one card core layer, a protective layer on at least one side of said card core, and adhesive layers between the individual card layers. The card core is printed on either on one or two sides. The method is carried out in the following manner: The printed layers of the card core are prepared, the protective layers are prepared, the adhesive layers are applied to the individual protective and/or core layers, the individual card layers are precisely positioned one on top of the other, the card layers are joined together in a lamination press with the aid of pressure and heat. An adhesive system which is cross-linked under the effect of pressure and/or heat, comprising a thermoplastic synthetic component and a cross-linking component, is used in at least one adhesive layer.

IPC 8 full level

B32B 37/15 (2006.01); **B32B 7/12** (2006.01); **B42D 25/00** (2014.01); **C08G 18/70** (2006.01); **C08G 18/80** (2006.01); **C09J 175/04** (2006.01); **C09J 177/06** (2006.01)

CPC (source: EP US)

B32B 7/12 (2013.01 - EP US); **B32B 37/1207** (2013.01 - EP US); **B42D 25/00** (2014.10 - US); **B42D 25/23** (2014.10 - EP); **B42D 25/45** (2014.10 - US); **B42D 25/455** (2014.10 - EP US); **B42D 25/46** (2014.10 - EP US); **B42D 25/465** (2014.10 - US); **B42D 25/47** (2014.10 - EP); **C08G 18/705** (2013.01 - EP US); **C08G 18/8061** (2013.01 - EP US); **B32B 2038/0076** (2013.01 - EP US); **B32B 2425/00** (2013.01 - EP US); **B32B 2429/00** (2013.01 - EP US); **Y10T 428/24802** (2015.01 - EP US); **Y10T 428/24868** (2015.01 - EP US)

Citation (opposition)

Opponent :

US 4389472 A 19830621 - NEUHAUS KARL-FRIEDRICH [DE], et al

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 0189831 A1 20011129; AT E370834 T1 20070915; AU 2001260205 B2 20070201; AU 6020501 A 20011203; CN 1213858 C 20050810; CN 1441723 A 20030910; CY 1107019 T1 20120926; DE 10025093 A1 20011122; DE 50112911 D1 20071004; DK 1286833 T3 20080107; DK 1286833 T4 20131111; EP 1286833 A1 20030305; EP 1286833 B1 20070822; EP 1286833 B2 20130731; ES 2295165 T3 20080416; ES 2295165 T5 20131212; PT 1286833 E 20071130; US 2004007324 A1 20040115

DOCDB simple family (application)

EP 0104232 W 20010412; AT 01933825 T 20010412; AU 2001260205 A 20010412; AU 6020501 A 20010412; CN 01812812 A 20010412; CY 071101500 T 20071122; DE 10025093 A 20000520; DE 50112911 T 20010412; DK 01933825 T 20010412; EP 01933825 A 20010412; ES 01933825 T 20010412; PT 01933825 T 20010412; US 29656703 A 20030505